

IOF

Interactive Output Facility Quick Reference Summary

IOF Release 7E
November 1999
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Key to using this quick reference

Commands are in **Bold type**. Upper case letters show the minimum abbreviation. Optional operands are shown in brackets ([]). Optional values are separated by slash (/), and default values are underlined>. "nnn" represents a numeric operand. "m1", "m2", etc. represent menu numbers.

Common Primary Commands

These commands are available on all IOF panels and will normally be available on PF Keys.

HELP	Help for the current panel
END	Go back to higher level panel
RETurn	Go back to job list menu
EXit	Exit mainline IOF
Right	Scroll right
LEft	Scroll left
Up	Scroll up
Down	Scroll down

Jump Function and Logical Line Delimiter

Slash (/) is the IOF jump key and may be used from any IOF panel. Slash alone always returns to the *IOF Option Menu*. The slash may be followed by an IOF primary option.

The period (.) is used as a logical line delimiter. Multiple IOF commands may be entered on the same input line if separated by a period (.).

Line Commands using Menu Numbers

IOF line commands optionally can be entered in the COMMAND area by entering the menu number(s) or menu number range, followed by the command. For example:
2 4 7-9 C
cancels items 2, 4, and 7 through 9.

IOF Option Menu

The primary options are defined on the *Option Menu*. Most options can be entered with parameters.

Option	Description	Parms
blank	Menu of your jobs	(none)
I	Input jobs	Class, held or non-held
R	Running jobs	(none)
J	All jobs	Jobname
G	Non-held output	Class, forms
H	Held output	Class, jobname prefix
O	Output jobs	(none)
L	System log	Sysid
PR	Printers	Printer number
D	Devices	Device name or type
INIT	Initiators	Initiator name range
P	Profile	(none)
M	System Monitor	Task types to monitor
X	Exit from IOF	(none)
APPC	APPC transactions	(none)
MAS	MAS panel	(none)
ST	Status of jobs	Jobname prefix
DA	Display active	Task types to monitor
REMOTE	Display remote	Remote number
CUR	Current active session	(none)
QT	Quick Trainer	(none)
CMDS	Available Commands	(none)
NEW	New features	(none)

Detailed Option Panels

All primary options can be followed by a question mark (?) to produce a more detailed option menu. For example, entering */IG?** from any IOF panel displays the *Output Group Selection Menu*. Frequently used options can be saved by entering the value on a detailed option menu and then entering the **SAVEPROF** command.

Over-typing Display Fields

IOF lets you change job, dataset, group, and device characteristics by simply over-typing panel fields. Over-typeable job characteristics include class, priority, and destination. Forms, destination, and class are examples of output group over-typeable characteristics. All device and held data set characteristics are over-typeable.

Generic Jobnames

Plus (+) is a one-character wildcard in jobname fields, and the asterisk (*) is a wildcard terminator.

IOF Option Menu Examples

All the examples below can be entered directly on the *IOF Option Menu* exactly as shown, or following a slash from any IOF panel.

I?	Input Jobs Selection Menu
I	All input jobs
IAF H	Held input jobs on classes A and F
J	General Job Selection Menu
J ARBIT*	Jobnames beginning ARBIT
J ++T*	Jobnames with "T" in 3rd character
G?	Output Group Selection Menu
G	All output groups
GAJ	Output groups on classes A and J
H	All jobs with held output
H SMF	Jobnames beg SMF with held output
L?	SYSLOG Selection Menu
L	Browse log of current system
PR	Menu of all local and rmt printers
PR3	Printer 3
D	Device Option Menu
D LNE	Device list of all lines
D R23.PR1	Remote 23 printer 1
APPC	APPC transactions
INIT 5-7	Initiators 5 through 7
M?	System Monitor Selection Menu
M	Monitor default tasks
JOBnnnnn	Select job number nnnnn
TSUnnnnn	Select TSU number nnnnn
MAS	Display MAS members
X	Exit from IOF

Global commands

Global commands can be issued from any IOF panel:

PREFIX [jobname]	Save generic jobname prefix in profile
OWNER [userid]	Save owning userid in profile
DEST [routecde]	Save global destination in profile
SYSID [sysid]	Save SYSLOG system id in profile
Every n [cmd]	Refresh display every n seconds; with optional command
/	Job menu of your jobs; or as per prefix, owner and dest commands
/	Return to <i>IOF Option Menu</i>
/option	Any IOF Option from the list above

The question mark (?) can be entered as a line command on any IOF panel to get more detailed information about the task, job, group, data set or device being displayed. Most line commands can be followed by question mark to get a more detailed panel.

Job List Menu and Output Group Display

Primary Commands

RC [CUR] [N] [SA/SD]	Display highest return/abend code
EXCLude field operator value	Exclude when field meets condition of operator and value; operators are EQ , NE , LT , GT , GE , LE , CT , BG , NC , NB
UNEXCL field operator value.	Reverse of EXCL
SORT field	Sort on any field on the display
FIND [field] value	Find value in field
LOCate [field] value	Locate first job/group with field equal or greater than value
EXTEND	Display additional job/group information
SS	Define target sysout snap data set
SD	Define target MVS snap data set
SNAPCLOS	Close and free snap target data set
SNAPTEXT	Add text to SNAP target data set
OFFLOAD	Offload all jobs on <i>Job List Menu</i>

Line Commands

?	Job/group attributes panel for assistance
S	Select job/group for <i>Job Summary Panel</i>
B	Browse entire job/group as one dataset
C	Cancel job/group; input jobs go to output
A	Release held job/group
T (or blank)	Modify over-typed characteristics
PC	Show why output will not print (print check)
V	View the job/group using a saved index
X	Exclude job/group from the display
N	Snap entire job/group
CMT	Add 40 chars. of comments
HDR	Add block header to SNAP target data set

The following commands are only valid for jobs.	
H	Hold job
PR	Print job
PU	Purge job
R	Release job's held datasets
ED	Reconstruct and edit original job with ISPF editor
CDUMP	Cancel running job with a dump
E	Restart a running job
SJ	Start input job immediately (goal mode only)
DUMPCB	Dump control blocks for job

The following commands are only valid for groups.	
W	Set OUTDISP=WRITE
H	Set OUTDISP=KEEP
K	Set OUTDISP=KEEP
L	Set OUTDISP=LEAVE
PROF	Set addressing info from the profile
OPER	Put group on operator hold

Follow any line command with question mark (?) to see a more detailed option panel.

Job Summary Panel

Primary Commands

Browse Concatenate all datasets of job for browse
INPUT [ON/OFF] Display input datasets
EDit Reconstruct and edit job with ISPF editor
PC Show why job will not print (print check)
REFRESH Update display; useful with running jobs
SD Define an MVS target snap dataset
SS Define a spun sysout target snap dataset
SNAP Snap entire job to target data set
SNAPCLOS Close the snap data set
SNAPTEXT Add text to snap target data set
EXCLude fieldname oper value Exclude steps and/or datasets from the panel
UNEXCL fieldname oper value Return excluded
VIEW * [INDEX(index.dsn)] View job using saved index

Line Commands

? Display dataset attributes panel
S or B Select dataset for browse
F Format a graphics page mode data set
C Cancel a held dataset
R Release a held dataset
N Snap a copy of the dataset
P Print an exact copy of the dataset
M (or blank) Modify over-typed dataset characteristics
X Exclude a dataset from the display
ED Edit a copy of data set with ISPF editor
BI Build a data set index
LIST List the data set to a line mode terminal
CG Cancel all data sets in an output group
MG Modify all data sets in an output group
PC Show for why group will not print (print check)
SS Open snap target like this data set
HDR Add block header to snap target data set
RG Release all sysouts in held group
H Set OUTDISP to HOLD
W Set OUTDISP to WRITE
K Set OUTDISP to KEEP
L Set OUTDISP to LEAVE
SB Browse with ISPF browse

ALLOC DDNAME(ddname) [LRECL(lr)] [BLKSIZE(bk)] RECFM(rf) Allocate data set for external use

Follow any line command with question mark (?) to see a more detailed option panel.

IOF Browse

IOF browse is very similiar to ISPF browse except that IOF displays your data as it would appear on the printed page. IOF browse, therefore, has several unique commands to deal with printed pages and other IOF differences.

Unique IOF Browse Commands

Next Browse the next sysout dataset
PREVious Browse the previous sysout dataset
SNAP Snap a copy of the current screen
SNAP [nnn] Lines/Pages Snap nnn lines/pages from top of current screen
.label Establish a label
Locate label Reposition to a defined label
Page nnn Position to page nnn
Line nnn Position to line nnn on current page
COMPRESS [ON / OFF] Enable/disable horizontal compression
CONDENSE [ON / OFF] Enable/disable vertical compression
DISPLAY [CC / NOCC] Enable/disable carriage control display
SI [DA(index.dsn)] Save the browse index for later reuse with the VIEW command
INDEX [/indexname] Display index/indices
DEFINDEX /indexname [title] Define an index
DEFENTRY /indexname indexitem Define an index entry
BI Build a data set index
EDit [nnnn] ISPF edit nnnn records from top of screen
TEXTREF Lookup word under cursor in Bookmgr

IOF SNAP

The SNAP facility allows you to copy all or parts of sysout dataset(s) to any non-vsam dataset. SNAP can be issued from the *Job List Menu*, *Output Group Display*, *Job Summary Panel* or from *IOF Browse*. By default, snap output is routed to your default print destination and sysout class. The SS and SD commands can be used to override the default and explicitly define (allocate) the target snap dataset.

If the SS and SD commands are issued from the *Job List* or *Output Group Display*, the target data set remains open until another SS, SD or SNAPCLOS is issued or until the IOF session terminates. When issued from *Job Summary Panel* or *Browse*, the target data set remains in effect until another SS, SD or SNAPCLOS command is issued or until the review of the current job is terminated.

The **SNAPTEXT** command will add text to the target snap data set. **SNAPHDR** adds block text to the target.

Device List Menu and Initiator Display

See the *Job List Menu* description of the **EXCLUDE**, **SORT**, **FIND**, and **LOCATE** primary commands which also function on the *Device List Menu* and *Initiator Display*.

Enter '**S**' line command to display the *Device Detail Menu* for a device. All valid JES2 commands for the device can also be entered as line commands. Device characteristics and initiator classes can be over-typed directly on the *Device List Menu* or on the *Detail Menu*.

System Log or Sysplex Operlog

The '**L**' option enters **Syslog** or **Operlog** browse. While browsing a log, enter '**L hhmm**' to locate a specific hour (hh) and minute (mm). Enter '**IND**' to display the *Data Indices Menu* of indexed SYSLOG events. Then, select specific indices and indexed events.

'**L O**' jumps to **Operlog**. '**L S**' jumps to **Syslog**. '**L O -1**' jumps to yesterdays Operlog. '**L OLD**' shows menu of old logs.

Enter '**<cmd**' to issue JES2 and MVS commands and automatically scroll to the command you issued in the log.

The **ACTION** command controls display of action messages at the bottom of the log display. ACTION parameters are:

OFF	Remove all action messages
DISABLE/ENABLE	Enable or disable
DEFAULT	Set group default
MVS	Add route codes 1-12
USER	Add route codes 13-28
ALL	All route codes 1-28
n,m...	Add specified route codes

System Monitor

See the *Job List Menu* description of the **EXCLUDE**, **SORT**, **FIND**, **LOCATE**, and **EXTEND** primary commands which also function on the *System Monitor*. Many line commands also function the same. The **EVERY** command can be used to automatically refresh the display.

Line Commands

S Select task for *Job Summary Panel*
C Cancel jobs
B Browse whole job as one data set
X Exclude task from the display

Personal Extended MCS Console

Enter **CONSOLE** (or **CN**) from any IOF panel to invoke the IOF personal console. Alternately, enter **\$jes2cmd** or **#mvscmd** to issue a JES2 or MVS command and automati-cally invoke the console. From the console, directly enter MVS commands without a command character. All IOF browse commands can be used.

Additional Console Commands

AUTOCON ON/OFF Enable/disable automatic console; can be issued from any IOF panel; saved in profile
AUTOROUT sysid Automatically route all commands to another system in the sysplex
MFORM [M/S/J/T] Control message format
ROUTcde [NONE/ALL/ADD/DEL] [codes] Additional route codes to be displayed
DC Display console status
CLear Clear all commands and messages
CNSICMD # command [DELETE] Set 1 to 9 commands to be executed each time console is initialized
CNSKEEP Leave console active on exit

Miscellaneous Global Commands

The commands below can be entered on any IOF panel when authorized.

QT IOF quick trainer tailored to each user
NEW New features for this release of IOF
MAIL [userid] List your mail, or optionally the mail for another user if authorized
WHO Information about your session
DVAR [varname] Display IOF variable(s)
INFO Information about other IOF features including **Rexx** and **Clist** programmable interface
SHELF bm_shelf Bookshelf name

Panel Customization

Each user can customize most IOF panels. Enter '**CUT**' with cursor pointed to an IOF field; then, move cursor to the target field and enter '**PASTE**'. The field will be moved after the target field; the change is saved in users profile. Enter '**ARRANGE DEFAULT**' to reset to the default format.

IOF Server Sessions

Enter '**AT**' to determine names of available IOF servers in your sysplex.